COMMONWEALTH OF KENTUCKY FINANCE AND ADMINISTRATION CABINET DIVISION OF REAL PROPERTIES

INVITATION FOR BIDS

FOR LICENSE

State-Owned Real Property

Mixed Timber Harvest and Sale Dewey Lake WMA Floyd County, Kentucky

Invitation to Bid: <u>01102020</u> Bid Opens: <u>Friday, January 10, 2020 at 3 p.m. ET.</u>

INSTRUCTIONS TO BIDDERS

- 1. Bid must be submitted on the "Form of Proposal" included within and made part of this invitation, appropriately signed and received at the Division of Real Properties, State Properties Branch, Bush Building, 3rd Floor, 403 Wapping Street, Frankfort, KY 40601-2607, no later than the specified "bid opening date and time.
- 2. The Commonwealth of Kentucky reserves the unqualified right to reject any or all bids.
- 3. Bidders are invited to attend bid openings.
- 4. For further information or to obtain a bid package, contact Wendell Harris @ (502) 564-9831 or email <u>Wendell.harris@ky.gov</u>, State Properties Branch, Division of Real Properties, Bush Building, 3rd Floor, 403 Wapping Street, Frankfort, KY 40601-2607 or Josh Frazier @ (606)-356-9910 or <u>Josh.Frazier@ky.gov</u>, Public Lands Forester.
- 5. NOTICE TO BIDDER: If you plan to attend the bid opening and have a disability that requires accommodation, please contact our office by **Thursday**, **Jan. 9** so that reasonable arrangements can be made.

GENERAL TERMS AND CONDITIONS INVITATION TO BID SALE OF TIMBER

DEWEY WILDLIFE MANAGEMENT AREA FLOYD COUNTY, KENTUCKY

GENERAL TERMS AND CONDITIONS <u>Scope of Project</u>

At the request of the Kentucky Department of Fish and Wildlife Resource, hereinafter referred to as the "KDFWR", the Division of Real Properties issues this Invitation for Bids to harvest a tract of timber adding up to approximately 225 acres of the Dewey Wildlife Management Area, hereinafter referred to as "Dewey WMA". The areas of interest and inventory data are included. The successful bidder shall have 2 years from the date of execution of the resulting license agreement to remove the subject timber from the premises. Persons interested in responding to this Invitation to Bid must submit the enclosed sealed bid form of proposal. All bids should be submitted on or before Friday, January 10, 2020 @ 3 p.m. ET. This Invitation to Bid and the bidder's response, when accepted by KDFWR, will govern any license agreement issued as a result of this Invitation to Bid. The license agreement shall commence on the date executed by the Secretary of the Finance and Administration Cabinet.

TERMS AND CONDITIONS

The harvesting of timber, as specified in this bid package, shall be in accordance with all terms and provisions specified herein. The timber sale areas are within the Dewey WMA property located in Floyd County, Kentucky. The timber sale boundary areas contain approximately 245 acres. Due to United States Fish and Wildlife Service (USFWS) regulations, the cutting of timber/trees is only permitted from August 1- April 30. The winning bidder will also not be allowed to work on the following weekends: October 12-13 and November 2-3. The winning bidder can remove cut timber or dress and seed areas within the cutting boundary after April 30 but NO trees are to be cut or damaged under penalty of Federal Law. Boundaries and some leave trees will be marked by KDFWR prior to any operations by the bidder. The timber sale area boundaries will be definitively designated by blue vertical slashes on trees, leave trees will be dotted with blue paint on the up and down hill side. Blue slashes will be visible from within the sale boundary and marked boundary trees are to be left standing and unharmed. All pulpwood not marked as a leave tree with a stump diameter of 4 inches or greater within the timber sale areas are to be cut. It is expected that equipment will be cleaned prior to entering Dewey WMA to prevent the spread of exotic/invasive species on property managed by KDFWR. Copies of all tally sheets for all loads delivered to the mill must be submitted to KDFWR on a weekly basis. The specific day for submission each week following the week of delivery can be negotiated between KDFWR and the successful bidder.

It will be the bidder's responsibility to improve approximately 4 miles of access road which will be utilized during this harvest. The location of the road is shown on the map and will meet the following specifications: All vegetation, wet, organic, uncompact soil or other undesirable materials shall be removed from the entire length and width. The subgrade shall be of firm undisturbed soil material or shall be of suitable compacted materials approved by KDFWR. The road shall be crowned and ditched to direct precipitation off the road. It will be the bidder's responsibility to spot rock as needed to facilitate log removal from Dewey WMA. The improved road will be dressed and touched up following the logging operations and maintained as a permanent access road.

Ditches and up to 40, 18-24 inch culverts will be provided and installed by bidder. Design ditch channels to have stable grades and side slopes no stepper than 2 to 1 to move water away from the road to prevent flows from causing roadside erosion and provide a stable outlet for the ditch. The capacity of a roadside ditch must be adequate to carry the drainage from the road surface to outlet. Culverts will be installed based on specifications provided in locations directed by KDFWR.

KDFWR reserves the right to pause logging operations to address drainage and sediment issues that may arise. It is important for bidders to account for this road work in their bid.

Bids should indicate a lump sum payment for all timber products that will be paid to KDFWR. The lump sum payment for timber is to be paid before any logging activity begins. The purchaser shall make bond or deposit with the State by check or cash within 5 days of the signing of this contract for the sum of \$5,000 to be held in escrow against the full compliance by the purchaser of the conditions and requirements of this contract. A total bond payment of \$10,000 and the lump sum price for all timber products is to be paid in full to the Commonwealth of Kentucky before any activity begins. This bond or deposit will be forfeited to the state if the purchaser fails to fulfill all the conditions and requirements of the contract. If the logger is found to be falsifying tally sheets, cutting timber outside the harvest units, or neglecting **Best Management Practices**, then the logger forfeits their performance bond and any timber remaining to be harvested. If the fore mentioned conditions occur the logger will vacate the premises and all remaining timber immediately. Upon satisfactory completion to the state of this contract, the bond will be released or the deposit returned to the purchaser.

All improvements to the Dewey WMA shall be removed prior to the expiration of the license or extensions thereof. Any improvements remaining on the premises shall become the property of KDFWR without recourse by the bidder, unless written authorization is issued by KDFWR.

It will be the responsibility of each bidder to examine and survey the areas on which logging operations will take place to make their own determination as to the logistics of removing timber from the above described tract(s). KDFWR must approve all ingress and egress routes to the tracts prior to the commencement of logging activities, and it will be the responsibility of the bidder to build and maintain suitable roads to carry out the logging operation. KDFWR has inventoried the tracts and our estimations are provided. It is the bidder's responsibility to determine their own timber assessment.

No marked leave trees may be harvested or purposely damaged during the timber operation.

Accidental damage to mature hardwood trees must be minimized. Some damage to residual non-pulpwood or leave trees will occur, however damage must be minimized and damage will be assessed for each tract. Provisions for excessive damage will be as follows: for non-harvested trees greater than 6 inches in diameter at breast height, if damage exceeds 10%, a compensation of \$100 (one hundred dollars) per damaged tree will be assessed. Damage is defined as knockdown; topping or main stem breakage; over one-third of the main crown removed; stripping or removing bark on the butt log due to skidding; felling or other harvesting operations that exposes over 100 square inches of wood; or trees that are bent over 20 degrees from normal. Minor damage (damage under the specifications listed above) will not be assessed. Special consideration will be provided to account for weather or storm conditions that may occur during or directly before the harvest that might render a higher degree of harvest damage to the residual stand than would normally occur.

All telephone lines, ditches, bridges, roads, pipelines and fences located within or immediately outside the boundaries of the sale areas shall be protected by the bidder during cutting and logging operations. The bidder is required to notify the KDFWR if damage occurs and the bidder is responsible for repairs as soon as possible under the supervision of KDFWR. The bidder will be permitted to erect improvements to carry out the logging operation of this agreement, with all improvements being approved by KDFWR

All roads, trails, and drains shall, at all times, be kept free of logs, brush, and debris resulting from the cutting and logging operations under this license. The bidder is responsible for maintaining public roads and rights-of-way free of soil and logging debris. Practices must be undertaken to restrict the deposition of soil onto public roads. The bidder is also responsible for timely clearing of soil deposited onto public roads. If the bidder fails to keep them clear, then KDFWR will clear them and the bidder shall reimburse KDFWR for the cost.

The bidder assumes his/her full share of the maintenance of any established public and non-public roads and bridges that he/she may use in conducting the operations of cutting and logging the timber under this license. The bidder agrees to maintain during operations said roads and bridges in as good a condition as prior to the beginning of operations. After the completion of the logging operation the bidder will be required to grade and re-gravel with three inches of #467 the WMA gravel roads that were utilized during the logging operation. WMA roads that are open to public vehicular traffic must remain open to the public and in acceptable quality for passenger vehicles. Any paved roads used by the contractor must be returned to a condition as good as their condition prior to the beginning of the logging operations at the sole expense of the bidder.

Issues that may arise regarding damage to county owned and maintained roads by the contractors' equipment and hauling trucks will be the responsibility of the contractor and will not be the responsibility of KDFWR.

The bidder must use all appropriate Best Management Practices for water quality protection as specified by the Kentucky Forest Conservation Act. The KDFWR must approve all stream and channel crossing locations. Improved stream and channel crossings must be used where appropriate and approved by KDFWR prior to installation. Retirement of landings, haul roads, and skid trails shall be completed in accordance with the appropriate Best Management Practices (BMPs) referenced below including: the elimination of berms, removal of ruts, and other practices

needed to resurface roads, trails, and landings; installation of permanent water control structures; preparation of seedbed; application of seed (seed mixes must be approved by KDFWR). Once landings, haul roads and skid trails have been retired they are to be seeded with the seed mixtures mentioned below. Purchase and application of seed is the responsibility of the winning bidder, any deviation to the seed mixture must be approved by KDFWR. Seed mixes are as follows, for anything below 10% slope- 4# ladino white clover, 4# white clover and 50# wheat. These rates are per acre and should be mixed together and sown. For anything 10% slope and over 8# white clover and 100# wheat per acre.

The bidder agrees not to pollute any streams of the sale area, and to keep the streams and water resources free from soil and logging debris and trash generated from logging operations on said area, and will forever protect, indemnify and hold harmless KDFWR from any and all claims, costs, prosecutions, or actions resulting from any violations by him.

All skid trail retirement must adhere to the following:

(Distances between water bars for retirement of skid trails)

Skid Trail % Slope	Spacing (slope distance in Feet)
1	400
2	245
5	125
10	78
15	58
20	47
25	40
30	35
35	32
40	29

During the term of this license, the bidder agrees to exercise all means in his power to prevent the start of and to suppress all forest fires on the licensed area and in its vicinity. The bidder is responsible for contacting KDFWR and appropriate local authorities in the event of a fire. No fire for any purposes is allowed on the logging operation without approval of KDFWR.

During high and extreme fire hazard weather, KDFWR may prohibit logging. KDFWR reserves the right to suspend logging (harvesting and hauling) operations when weather conditions will lead to rutting that cannot be fixed with equipment that is available and on-site or conditions are deemed as such to produce long-term impairment of the water bodies.

All operations being carried out by the bidder for the cutting and removal of the timber under this sale may be suspended by KDFWR if the conditions and requirements contained in this license are disregarded. Continued failure to comply with any one of the stated conditions and/or requirements shall be sufficient cause for the termination of this license.

Complaints or disagreements by the bidder as to any actions taken by KDFWR respecting this

license shall not be considered unless made in writing within thirty (30) days of such action causing a complaint or disagreement by the bidder to the Director of KDFWR. The decision of the Commissioner shall be final in the settling of complaints and disagreements on the part of the bidder as they pertain to the interpretation of the regulations and provisions of this bid package.

When timbering operations are in progress, the bidder shall have, at all times, at the site of activities, a representative who shall be authorized to receive, on behalf of the bidder, any and all notices and instructions in regard to the conditions and requirements set forth in this license and to take such action as may be required under the terms of this license. A Kentucky Master Logger must be present on the harvest site at all times while harvesting activities are underway. KDFWR will provide contact personnel that will be available on-site in a reasonable period of time.

All records of the bidder as they pertain to the operations being carried out under the terms of this sale shall be open to inspection at any time by KDFWR.

The bidder shall have no right or license to use any part of the area outside the boundary of the area herein described, unless the bidder shall have obtained special written permission from KDFWR describing the limitations of such use.

The mineral and right-of-way rights over, on, in, and under the sale area herein described are in no way affected by this license. KDFWR, nor any licensee, nor successor, nor assignee of it shall be liable to the bidder for any damages because of the exercise of their rights, however, or by whomever conducted, and that the bidder agrees to hold KDFWR harmless from any claims for such damages on the part of the bidder. The successful bidder should coordinate the logging operation at all times with the KDFWR Forester or KDFWR Wildlife Biologist. KDFWR does not furnish to the bidder right-of-way over lands belonging to others.

It is agreed by the parties hereto that all questions as to the execution, validity, interpretation, construction and performance of the resulting License Agreement shall be governed by the laws of the Commonwealth of Kentucky. Furthermore, the parties hereto further agree that any legal action, which is brought on the basis of said Agreement, shall be filed in the circuit court of Franklin County, Kentucky.

NOTE:

The license will be awarded for the harvest and sale of timber from approximately 245 acres on a highest lump sum payment to that responsible, responsive bidder whose offer conforming to this Invitation to Bid will be most advantageous to KDFWR. KDFWR expressly reserves the right to reject any or all bids and to waive technicalities and minor irregularities in form of bids submitted. Any bidder's past performance under license shall be a consideration and may be a factor in the award or denial of the license.

Additional terms and conditions may be added to the agreement, as mutually agreed and as necessary between the parties. Nothing in this license shall be construed to convey or grant any right, title, interest, estate, claim, or demand in or to the licensed premises other than the right to

use licensed premises for the purposes and under the terms and conditions stated in this license.

The bidder agrees to indemnify, defend, and hold harmless KDFWR, its officers, agencies, and employees from:

- (a) Any claims or losses for services rendered by the bidder, person, or firm performing or supplying, services, materials, or supplies in connection with the performance of the license.
- (b) Any claims or losses to any person or firm injured or damaged by the erroneous or negligent acts of the bidder, its officers, or employees in the performance of the license.
- (c) Any failure of the bidder, its officers, or employees to observe Kentucky laws, including, but not limited to labor laws and minimum wage laws.
- (d) The bidder agrees that all goods and chattels placed in or about the property shall be at the sole risk of the bidder, and KDFWR shall not be liable for injury or damage to property from any cause.

Information Required in Each Offer

- 1. <u>Contact</u>: Include the name and phone number of the individual who is to be the principal contact with KDFWR.
- 2. Signature: The principal contact must include his/her signature on the bid proposal.
- 3. <u>References:</u> Contact information for up to three (3) landowner references should be provided in the proposal. These landowners will have had timber harvested on their properties within the past five (5) years by the bidder. If no previous timber harvesting has been conducted by the bidder, then character or other work references should be provided.
- 4. <u>Bid:</u> Include a bid amount (lump sum payment for all timber, pulpwood and sawtimber) which will be paid to KDFWR upon the sale of timber harvested under this contract.

Basis for Award

After determining that a bid proposal satisfies the requirements of this project, the Commissioner of KDFWR, or a designee, will evaluate the bid proposal based on the following objective factors.

1.	Bid Amount	95%
2.	Years in Business	5%

KDFWR reserves the right to conduct discussions/meetings with any offeror to determine their qualifications for further consideration. Discussions shall not disclose any information derived from bid proposal submitted by other offerors.

FORM OF PROPOSAL (SEALED BID)

TO:	Finance and Administration Cabinet	INVITATION NO: <u>01102020</u>	
	Department for Facilities and Support S		
	Division of Real Properties	BID OPENING: Friday, Jan., 10, 2020	
	Third Floor, Bush Building		
	403 Wapping Street		
	Frankfort, Kentucky 40601-2607	AT: 3 p.m. ET_	
	- A-1		
		and Authentication of Bid and Affidavit of I	
		pose to pay the Commonwealth of Kentucky	y the
follo	wing lump sum amount for all timber in	this sale:	
Unit	1(58 acres) \$ 2(23 acres) \$		
Unit	2(23 acres) \$		
Unit	3(69 acres) \$	74 Y.	
Unit	4(41 acres) \$	#	
Road	Cut A (8.3 acres) \$		
	Cut B (6.4 acres) \$		
	Cut C (19.9 acres) \$		
		nd below road for drying/habitat purposes)	
Minu	is .		
Road	improvement costs \$		
Equa	is -		
\$	of total lump sum price of time	ber forest products harvested from the subject	t 245
acres	in seven separate units less road improve		

AUTHENTICATION OF BID AND AFFIDAVIT OF NON-COLLUSION AND NON-CONFLICT OF INTEREST

I hereby swear (or affirm) under the penalty for false swearing as provided by KRS 523.040:

- 1. That I am the Bidder (if the Bidder is an individual), a partner (if the Bidder is a partnership) or an officer or employee of the bidding corporation having authority to sign on its behalf (if the Bidder is a corporation);
- 2. That the attached bid or bids covering Kentucky Division of Real Properties <u>Invitation</u>
 <u>No. 01102020</u> have been arrived at by the bidder independently and have been submitted without collusion with, and without any agreement, understanding or planned common course of action with any other lessee of materials, supplies, equipment or services described in the Invitation to Bid, designed to limit independent bidding or competition;
- 3. That the contents of the bid or bids have not been communicated by the Bidder or its employees or agents to any person not an employee or agent of the Bidder or its surety on any bond furnished with the bid or bids and will not be communicated to any such person prior to the official opening of the bid or bids;
- 4. That the Bidder is legally entitled to enter into contracts with KDFWR of Kentucky and is not in violation of any conflict of interest, statute, including the provisions of KRS 45A.330 to 45A.340, 45A.990, 45A.164.390 or KRS 11A.040 of the Executive Branch Code of Ethics; and,
- 5. That I have fully informed myself regarding the accuracy of the statements made above.

NOTICE

- 1. Any agreement or collusion among Bidders or prospective Bidders which restrains, tends to restrain or is reasonably calculated to restrain competition by agreement to bid at a fixed price, or to refrain from bidding, or otherwise, is prohibited.
- 2. Any person who violates any provisions of KRS 45A.325 shall be guilty of a felony and shall be punished by a fine not less than five thousand dollars (\$5,000), nor more than ten thousand dollars (\$10,000), imprisonment for not less than one (1) year, nor more than five (5) years, or both such fine and imprisonment. Any firm, corporation or association which violates any of the provisions of KRS 45A.325 shall, upon conviction, be fined not less than ten thousand dollars (\$10,000), nor more than twenty thousand dollars (\$20,000).

STATEMENT OF FINAL DETERMINATION OF VIOLATIONS PURSUANT TO KRS 45A.485

Pursuant to KRS 45A.485, the Bidder shall reveal to DMA, prior to the award of a contract, any final determination of a violation by the Bidder within the previous five (5) year period of the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342.

For the purpose of complying with the provisions of KRS 45A.485, please list any final determination(s) of violation(s) of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, which have been rendered against the Bidder within the five (5) years preceding the award of this contract. Please include the date of the determination and the state agency issuing the determination. (Please use extra sheets if necessary.)

KRS Violation

<u>Date</u>

State Agency

The Bidder is further notified that KRS 45A.485 requires that for the duration of this contract, the Bidder shall be in continuous compliance with the provisions of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, which apply to the Bidder's operations. KRS 45A.485 further provides that the Bidder's failure to reveal a final determination of a violation of KRS Chapters 136, 139, 141, 337, 338, 341, and 342, or failure to comply with the above-cited statutes for the duration of the contract, shall be grounds for DMA's cancellation of the contract, and the Bidder's disqualification from eligibility to bid or submit proposals to DMA for a period of two (2) years.

ANNUAL AFFIDAVITT FOR BIDDERS, OFFERORS AND CONTRACTORS

Affidavit Effective Date:	
Affidavit Expiration Date:	
Maximum Length One-	Year

REQUIRED AFFIDAVIT FOR BIDDERS, OFFERORS AND CONTRACTORS PAGE 1 OF 2

FOR BIDS AND CONTRACTS IN GENERAL:

- I. Each bidder or offeror swears and affirms under penalty of perjury, that to the best of their knowledge:
- a. In accordance with KRS 45A.110 and KRS 45A.115, neither the bidder or offeror as defined in KRS 45A.070(6), nor the entity which he/she represents, has knowingly violated any provisions of the campaign finance laws of the Commonwealth of Kentucky; and the award of a contract to the bidder or offeror or the entity which he/she represents will not violate any provisions of the campaign finance laws of the Commonwealth.
- b. The bidder or offeror swears and affirms under penalty of perjury that, to the extent required by Kentucky law, the entity bidding, and all subcontractors therein, are aware of the requirements and penalties outlined in <u>KRS 45A.485</u>; have properly disclosed all information required by this statute; and will continue to comply with such requirements for the duration of any contract awarded.
- c. The bidder or offeror swears and affirms under penalty of perjury that, to the extent required by Kentucky law, the entity bidding, and its affiliates are duly registered with the Kentucky Department of Revenue to collect and remit the sales and use tax imposed by <u>KRS Chapter 139</u>, and will remain registered for the duration of any contract awarded.
- d. The bidder or offeror swears and affirms under penalty of perjury that the entity bidding is not delinquent on any state taxes or fees owed to the Commonwealth of Kentucky and will remain in good standing for the duration of any contract awarded.
- e. The bidder or offeror swears and affirms under penalty of perjury that the entity bidding, in not currently engaged in, and will not for the duration of the contract engage in, the boycott of a person or an entity based on or doing business with a jurisdiction with which Kentucky can enjoy open trade, as define in Executive Order No. 2018-905.
- f. The bidder or offeror swears and affirms that the entity bidding, and all subcontractors therein, have not violated any of the prohibitions set forth in <u>KRS 11A.236</u> during the previous ten (10) years, and further pledge to abide by the restrictions set forth in such statue for the duration of the contract awarded.

FOR "NON-BID" CONTRACTS (I.E. SOLE-SOURCE; NOT-PRACTICAL OR FEASIBLE TO BID; OR EMERGENCY CONTRACTS):

II.Each contractor further swears and affirms under penalty of perjury, that to the best of their knowledge:

- a. In accordance with KRS 121.056, and if this is a non-bid contract, neither the contractor, nor any member of his/her immediate family having an interest of 10% or more in any business entity involved in the performance of any contract awarded, have contributed more than the amount specified in KRS 121.150 to the campaign of the gubernatorial candidate elected in the election last preceding the date of contract award.
- b. In accordance with KRS 121.330(1) and (2), and if this is a non-bid contract, neither the contractor, nor the

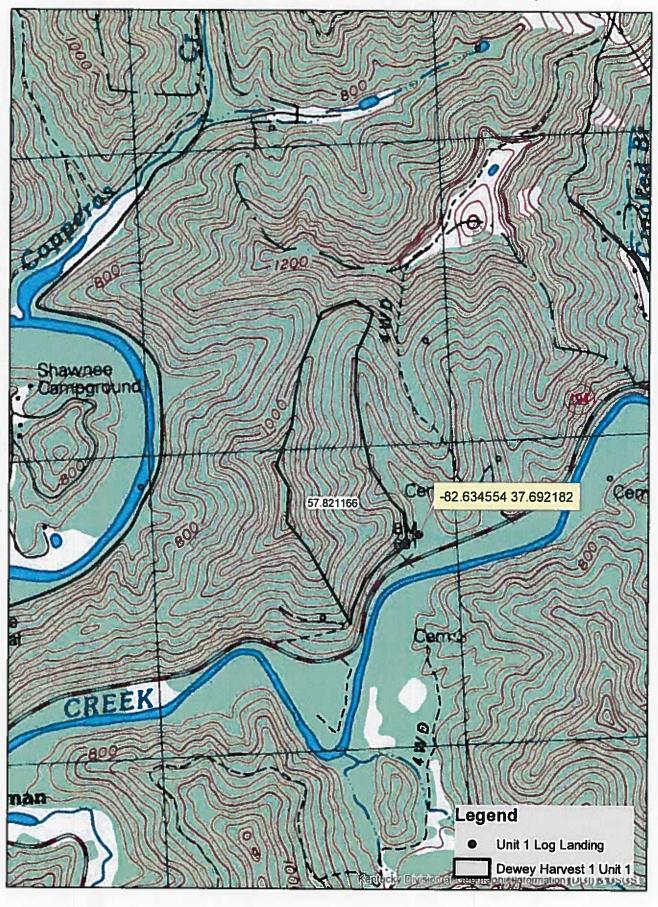
officers or employees of the contractor or any entity affiliated with the contractor, nor the spouses of officers or employees of the contractor or any entity affiliated with the contractor, have knowingly contributed more than \$5,000 in aggregate to the campaign of a candidate elected in the election last preceding the date of contract award that has jurisdiction over this contract award.

	Solicitati	ion/Contract #: _	<u> </u>
REQUI	RED AFFIDAVIT FOR BIDDERS, OFFE	ERORS AND CONT	FRACTORS PAGE 2 OF 2
c.	In accordance with KRS 121.330(3) and (4), knowledge, neither the contractor, nor any mor his/her employees, or any entity affiliated solicited contributions in excess of \$30,000 in the election last preceding the date of contributions.	nember of his/her imn I with any of these end In the aggregate for the	nediate family, his/her employer tities or individuals, have directle campaign of a candidate electer
the accur relying up such info law. If the effective immediate	authorized representative for the bidder, offered acts of all statements made in this affidavit, and pon these statements, in making a decision for promation may result in contract termination, reme bidder, offeror, or contractor becomes no period, I will notify the Finance and Admittely. I understand that the Commonwealth retains	id acknowledge that the contract award and epayment of funds and n-compliant with any instration Cabinet, (he Commonwealth is reasonable any failure to accurately disclosed other available remedies under statements during the affidavioration of Procurement Service tan updated affidavit at any time
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(Company Name		
1	Address		
S			
	Subscribed and sworn to before me by	(1.55	
	bubscribed and sworn to before me by	(Affiant)	(Title)

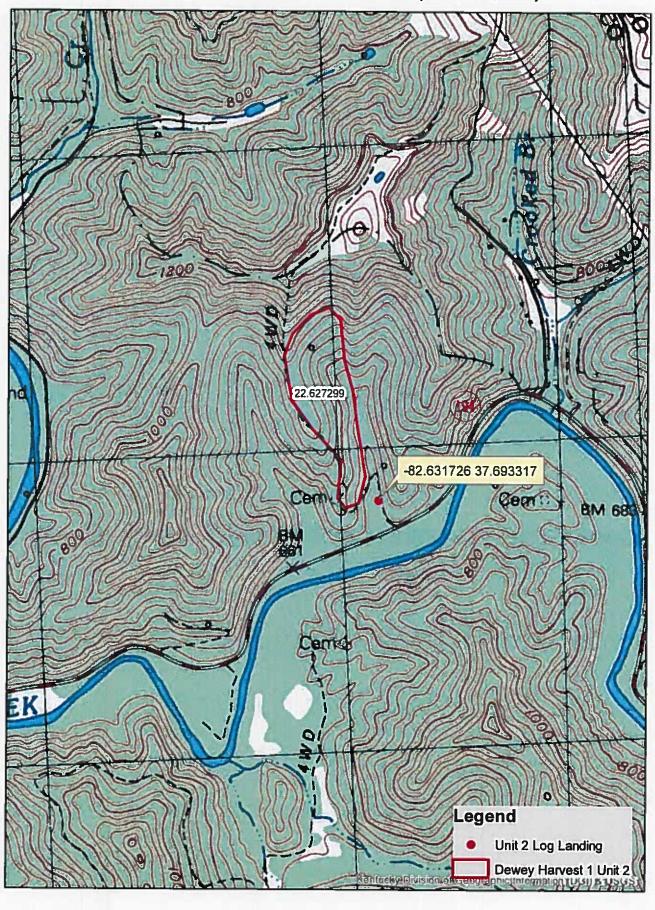
My commission expires:

Notary Public [seal of notary]

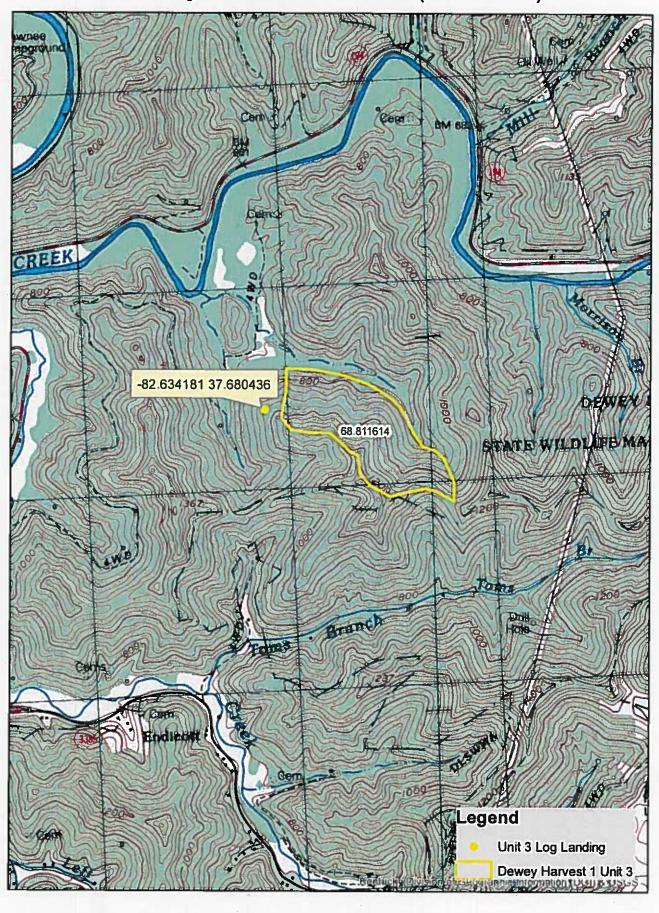
Dewey Harvest 1 Unit 1 (58 Acres)



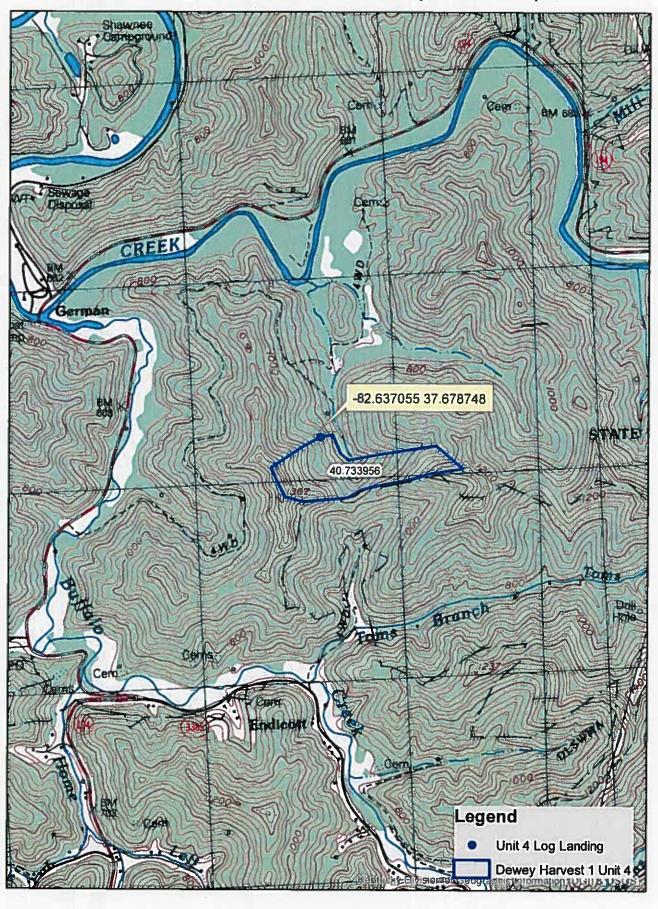
Dewey Harvest 1 Unit 2 (23 Acres)



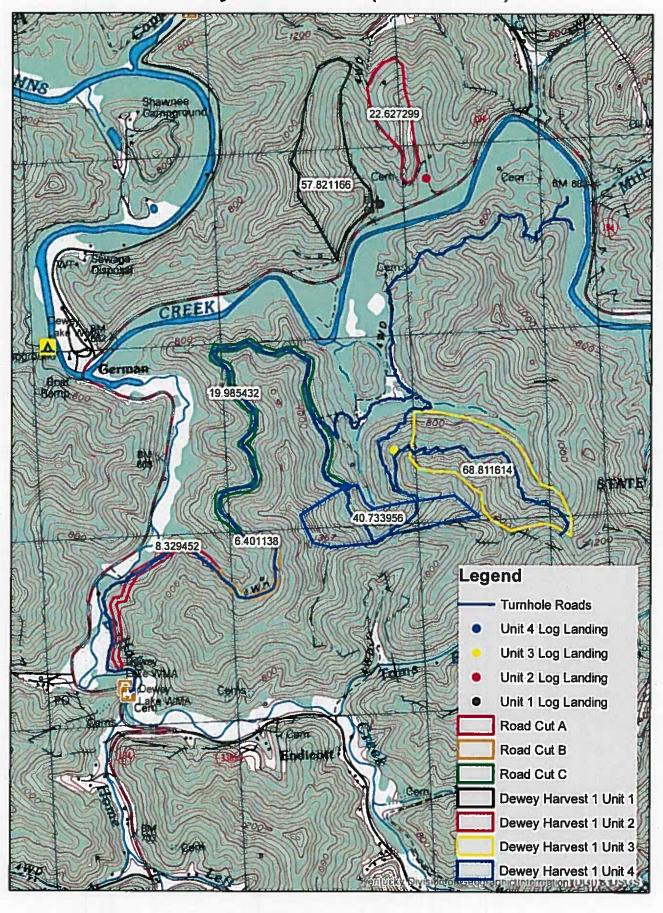
Dewey Harvest 1 Unit 3 (69 Acres)

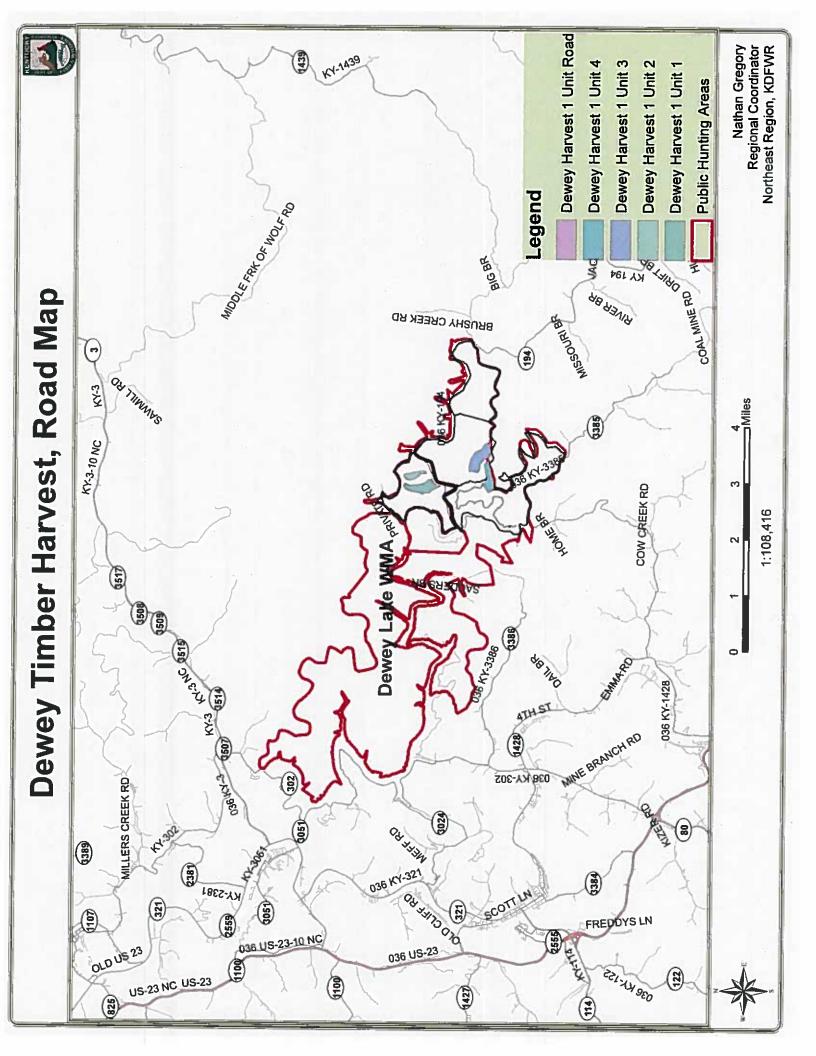


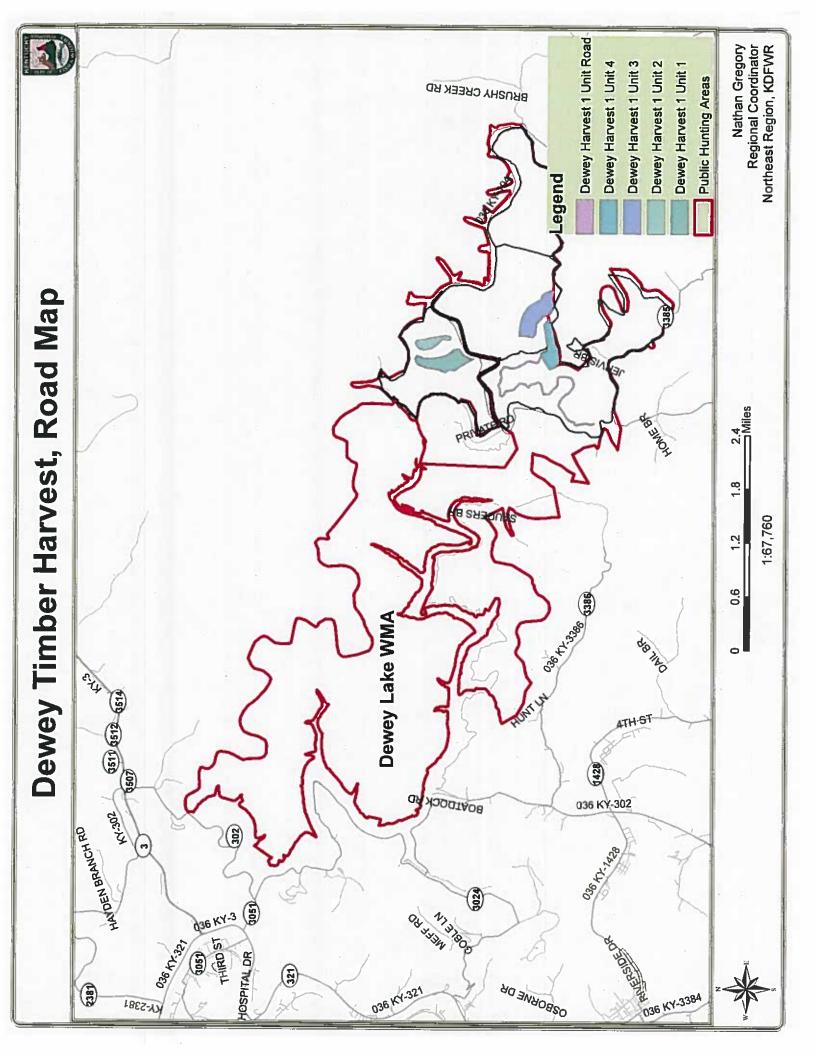
Dewey Harvest 1 Unit 4 (41 Acres)



Dewey Harvest 1 (225 Acres)







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	Red Maple		1	3		18%		1%			6%			196			
	Sweetgum					14%		4%			196		c	%			F
	Misc.					0%		4%		-1-	8%			*			
	III 1865.		-			-		*70	-	-1-	076		2	-	-		
	TOTALS					100%		27%			30%		34		<u></u>	-	
	TOTACE		1			60.0		2176			34%			*	-		Н
							1			- 1 -				1	-	-	
													1				
	PER ACRE VOLU SPECIES (800	MEBY rd Feet.)			SAW (12-1	MALL TIMBER 17 Inches ()BH)	SAY {18-	EDIUI YTIM 8 23 inc DBH)	ER hes	SAV (24	ARGE YTIMBER + Inches DBH)		TOTAL SI VOLUMI ACF	PER		PE CENT TOT	0
	Yellow Poplar					973			589		285			1827			3
	Seech					103	1		15	W.	33			20			
	White Oak			7 J		75			16		424			06		-	
			-					-									H
	Hickory					277	1		403		43			723			1
	Sugar Maple					79			56					135			L
	Red Maple	1				229			34					264			
	Sweetgum					424			234					658			1
	Misc.					235			188		686			108			21
	TOTALS			- 19		2,454			1616		1409	1		5,539			10

1	Name:			Dev	ey Ha	arvest	1 UI	nit :	2			Unit:	2	A	cre	s:	23
TOTAL VOL	UME PER ACR	l E	4,752	BOFT		LUME PER		4	752	BDFT		OLUME				BO	FT
VERAGE TRA	-		A. others		HES	CRECUT	-44	- 1				ACRE LE			407		
VERAGE IN	KCT UBA:		10,23	INC	неа			AL NI		OF TRE	:E3 PE	(ACRE:			187		
						71 10	170	Cut	THE STATE OF			187	Trees//				
													(ALEIG	11 1			
STA	ND DISTRIBUT	ION TABLE			% OF T		IN S	AL AI			CENT AL AR		VOLUME BD FT			CENT	
888							Cul	Leeve 1	Total	24							
	S (2-5 Inches DBH				_	3%	4	0	4		4%						-
200	BER (6-11 Inches C AWTIMBER (12-17			-		9%	32	0	32		30%		2.00			4004	-
	SAWTMBER (B-				_	2%	42	0	42 B		39%	-	2,33			49% 3 %	-
3	AWTIMBER (24+)	The state of the s			_	2%	2	a	2	-	10%		951	-		20%	
									-						and a life		
	and the	TOTALS			100%		107	0	07	101	0%		4,75	2		100%	H
				1													
SPE	CIES COMPOS	HOITH			PER CE TOT STE	AL		TIM 8			ETIM BI R CEN		SAPLING CEN				
	White Oak				0 8 4	1%		3%			2%		01	6			
	Chestnut Oak				10.3	26		1%			0%		01				
	Red Daks					1%		2%			0%		01				
			-	-		-		-				-	A.7.	1			
	Yellow Paplar				20	1%		8%			2%	-10	09	6			
	Beech				25	196		4%			10%		105	4			
	Hickory				13	1%		5%			3%		51	4		- 15	
	Red Maple		1			26		7%			7%		51				
			-	-			-		-								
	Misc.				23	1%		5%			13%		51	6			
	TOTALS																
	TOTALS		+		100	1%		28%			48%	44	261	-			
			+ +	1 22							- 40						
												-					
PER SPEC	ACRE VOLUM	EBY Feet.)			5M A SAWTH (12-17 h DBI	4 BER nches	SAW (18-2	EDIUN TIMB (3 Incl (3 BH)	ER	5AW (24	ARGE /TIMBE + Inche: DBH)		TOTAL SP VOLUME ACR	PER		PEI CENT TOTA	OF
	White Oak					65			342		,	98		795			7
	Chestnut Oak		1			43	1-		218								
-			-									116		375			8
	Red Daks					65	CS		277		5	48		889			19
	Yellow Poplar .					1200			93					194			25
	Beech			1		91			262					352			7
	Hickory					350			203					554			12
			1		-						50			-			
	Red Maple					79	13		63					14.2			3
	Miss					451								451			9
							5 11										
	TOTALS					2,335		19	1458			59		4,752			1001

	Name:		Dew	ey H	arves	t 1	Uni	t 3				Unit		3	A	cres	s:	6
					VOLUM E	DER		I		1	No.	HOLLIN	5.050	_ =				
TO	TAL VOLUME PER ACRE	7,160	BOFT		ACREC			7.	,160	BDFT	Life	VOLUM			- 1		BD	FT
AVE	RAGE TRACT DBH:	11.6	9 INC	CHES			TOT	AL NU	MBE	R OF TR	EES P	ER ACR	E:		- [152		П
_		1 1					Tre	esiAc	re	· 1		15	, 1	Itues/Ac	re			
_		1 1				1		Cut			-	1	1	Leave		1		
	STAND DISTRIBUTION TABLE				TOTAL IEM S	r	IN :	AL AR SQUAI			CEN BALA			LUME D FT			CENT	
							Cu	Leave 1	otal	0 .								
	SAPLINGS (2-5 Inches DBH)				26%		3	0	3		3%							L
	POLETIMBER (6-11Inches DBH)				37%		23	0	23		21%							
	SMALL SAWTMBER (12-17 Inches DB	-			25%		40	0	40		38%			2,5 14			35%	
	MEDIUM SAWTIMBER (B-23 Inches D	BH}			10%		31	0	31		28%			3,452	100		48%	
	LARGE SAWTIMBER (24+ Inches DBH	1			2%	-	14	0	н		0%		+	194			7%	
	TOTALS			100*	×.		113	0	113	1	0%			7,190			100%	
	405455 4011045501			PER	ENT OF		SAV	/TIM B	ER	POL	ETIM	BER	SA	PLING	ER			-
	SPECIES COMPOSITION			TOTA	L STEM S			RCE			RCE		H	CENT				
	YellowPoplar	31			29%			7%			6%		T	7%				ì
	Hickory				6%			4%			2%		T	0%				
	Red Maple				10%			3%			3%		1	3%				
	Sugar Maple				20%			4%			10%			7%				
	Beach				24%			3%			186			10%				
	White Oak				1%			1%			0%			0%				
	Red Oaks				1%			7%			0%			0%				
	Misc				8%			4%			5%			0%				
	TOTALS				50%			37%			37%		+	20%				
									·				-			-		
	PER ACRE VOLUME BY SPECIES (Board Feet.)			SAW1	I ALL IIM BER Inches BH)		SAW (18-2	EDIUM FTIMB I3 Inch DBH)	ER	SAY	ARGI WTIME I+Inch DBH)	ER		AL SPE			PE CENT TOT	0
	Yellow Poplar				1,366				1770			BI		-	3,266			4
	Hickory				291		1		563			51	1.		905	i		Ì
	Red Maple				78		19.1		48			31			627			
	Sugar Maple		-		322				28			84			534			
	Beech	3			115				129			285			529			
	White Oak				59				148			207			314			1
	Red Oaks	1 1			25				95			464	1		585			
	Misc				58				201			41			400			
	TOTALS				2,5 %			3	452			194	-		7,80			E
	A company of the comp				/-			_					1	10	-			-

Name:	/			Dew	ey i	Har	est :	U	nit 4	4			Ur	nit:	4	I A	cres	5:	4
TOTAL VOLUME PER ACRE		5,050	3	BDFT			M E PER		_	,860	BD F1	100		UM E PE				BD	ET
VERAGE TRACT DBH:	10 11 7	alignosis.	.60	INC	HES	ACR	E CUT	TOT	- 4	2.000	15	9000	PER A	CRE-	/E	_	225	- 50	į.
	1-1-3		1	1			+		as/A					225	Trees/A	Cre	ZEJ	_	_
	E 4		1						Cut		1			445	Leav	•	-	_	10
10.00					1		-		ALAI			-							1
STAND DISTRIBUTION TA	ABLE					F TOTA	AL	IN S	OUA!	RE			NT OF AREA		OLUME BD FT			CENT	
			1						Lanca	_						1			L
SAPLINGS (2-5 Inches DBH) POLETIMBER (6-11 Inches DBH)						56%		11	0	11			1%						į.
SMALL SAWTMBER (2-17 Inches D8H)	1		+	-		25%		20	0	20		21					1		ļ.
MEDIUM SAWTIMBER (18-23 Inches DBH)		-	+					-	0	26	-	29			144		-	25%	-
LARGE SAWTIMBER (24+Inches DBH)			+-			5% #4	-1-	28		28	-	_1			2,972		-	53%	4
CANGE SATITUMBER (24VIICINS DBIT)				-		176		11		11		11	B6	- 1	1237			22%	H
	TOTALS		t		100	0%		98	0	95		100%			5,650	,		100%	ŀ
	1 1											17-							ľ
	1 1							- 83											
SPECIES COMPOSITION					T	CENT OTAL TEM 8	10		TIM B			PER C	MBER ENT		CEN1				
Yellow Poplar						13%		H	8%			5			09		\vdash		-
White Oak						7%			176			0			09	-			
Chestnut Oak				1		1%	183		1%			0			07	+			
Beech			Ĺ			17%			2%				%		119	-			-
Red Oaks						2%			1%			0	4		09				-
Hickory						8%			1%			7	%		09				
Sugar Maple			T	1		9%			0%			4	%		59	6			
Species 6						50%			5%			81	×		379				
707114																			
TOTALS						100%			19%		1	25	×		56%				
												1							
					81	MALL		MI	EDIUS			LAR	30			_	-		
PER ACRE VOLUME BY SPECIES Feel.)	(Board				(12-1	TIM BE 17 Inche 284)		(18-2	TIMB 3 Incl			AWTIN 24+ in: DBI	ches		OTAL BPI OLUME ACRE	PER		PEI CENT TOTA	0
V-4	1					-6			1			1							
Yellow Popler Wate Oak						- '	130			1428		-	283	-		2.541			45
Chestrut Oak										389		+	259			649			
Beech							81			160		-	65	-		293			,
Red Oaks										319		-	458		+	807			1
Hickory			1				75			226						301			,
Sugar Maple		-					76			75			÷			51			
Species 8				in-			346			180	1		91	-		667			1
											1								
TOTALS						-	441		2	.972			1237			5.650			D

Road Cut A / 8.3 Acres

Per Acre Values

		Total Volume MBF/Tons	Stems	Volume	BA	Mean DBH
Grade Sawtimber		37.7 MBF	24.7	4539.8 BDFT	47.5	19.2
Tie/Pallet		5.7 MBF	13.7	688.7 BDFT	12.5	13.6
Poletimber		122.8 Tons	60.9	14.8 Tons	24.4	9.1
Saplings	- 10	0.0	277.2	0.0 -	12.5	3.7
Culls		0.0	17.5	0.0 -	10	11
	MBF	43.4	394	5228.5 BDFT	106.9	7.1
Stand Totals	Tons	122.8		14.8 Tons		12

Predominant Forest Type: White Oak / Red Oak / Hickory, White Oak

Road Cut B / 6.4 Acres

Per Acre Values

		Total Volume MBF/Tons	Stems_	Volume	BA	Mean DBH
Veneer		.76 MBF	0.8	118,9 BDFT	1.5	19
Grade Sawtimber		34.5 MBF	34.2	5398 9 BDFT	57	17.9
Tie/Pallet		6.7 MBF	16.5	1049.4 BDFT	16.5	14.5
Poletimber		99.8 Tons	64.9	15.6 Tons	24	8.5
Saplings		0.0	63.6	0.0 -	6	4.3
Culls	*:	0.0	4.9	0.0 -	3	14.5
	MBF	41.9	184.9	6567.1 BDFT	108	10.3
Stand Totals	Tons	99.8		14.8 Tons		

Predominant Forest Type: Yellow Poplar, Mixed Upland Hardwoods

Road Cut C / 19.9 Acres

Per Acre Values

		Total Volume MBF/Tons	Stems	Volume	BA	Mean DBH
Veneer		.99 MBF	0.2	49.9 BDFT	0.5	20
Grade Sawtimber		145.8 MBF	24.1	4228.7 BDFT	46	19.5
Tie/Pallet		29.6 MBF	17.2	1490.8 BDFT	20.3	15.8
Poletimber		264.67 Tons	48.6	13.3 Tons	19.4	9.2
Saplings		0.0	200.5	0.0 -	9.2	3.9
Culls		0.0	6.3	0.0 -	9.7	20.6
	MBF	114.8	296.9	5769.4 BDFT	105	8.1
Stand Totals	Tons	264.67	2 2	13.3 Tons		<u> </u>

	5	
Eg.		